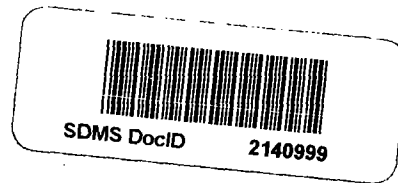


PFE ORIGINAL



Sample Shipping from Command Post;
Dimock Residential Groundwater Site

Sampling and Shipping Conducted by: START Region 3 – West (TechLaw, Inc)

Sample Collection, Processing and Shipping:

- START has two sampling teams.
- Each team samples one site at 08:30 and a second site at 13:30.
- At the site, the team collects anywhere from 37 to 185 sample containers, depending upon requirements at each site.
- At approximately 13:00 and 18:00, the START sample management team receives 74 – 270 sample containers needing to be processed and distributed to seven laboratories.
- Processing involves:
 - All samples are verified on paper COCs from the field sampling team and signed in by sample management team.
 - All samples are hand-entered into electronic Sample Management System (Forms II Lite or Scribe).
 - Once entered into the system, Sample Labels and Tags are printed.
 - Samples are removed from sampling team coolers and organized based on hold times and laboratories to which they're being shipped.
 - Sample surfaces are wiped dry and labeled for the receiving laboratory.
 - Every sample requires a sample tag, which is tied onto the sample container with string.
 - Every sample is individually bagged (and bubble-wrapped, if glass).
 - When samples have been labeled, tagged and bagged, they're gathered and packaged into a cooler for shipment.
 - Each cooler is lined with plastic and packaged to meet specific requirements.
 - Once the contents of a cooler are known, a Traffic Report and shipping labels can be generated, printed and affixed to the inside and outside of cooler.
 - A cooler, with an average of 12-20 sample containers packaged in it takes one employee approximately 2 hours to produce.
 - With a full staff of six sample management team members, samples with <14-day Hold Time that are received by 13:00 from the sampling team can be shipped on the same day.
 - With the exception of Bacteria and MBAS samples (see below for more information), afternoon samples received from the sampling teams cannot be shipped on the same day, regardless of sample management team size. These samples are processed and shipped the following business day.

Hold Time Management:

- START uses sample Hold Times to triage incoming samples into priority levels.
- Two Sample Analyses have 2-day Hold Times:

- Bacteria (fecal & total coliform, and HPC) – Relabeled and couriered directly to a local laboratory (Northeastern Environmental) once or twice daily, as needed.
- Methylene Blue Active Substances (MBAS) – Relabeled, tagged, packaged and shipped by FedEx daily to EPA Region 2 Laboratory. If the MBAS samples which are collected in the afternoon are not received in time to package and ship via FedEx, they can be couriered to Region 2 Lab to assist in meeting the 48 hour hold time.
- Received by lab within 24 hours of sampling.
- Eight Sample Analyses have 7-day Hold Times:
 - For each sample collected in the field, 13 containers are distributed to three Laboratories to meet hold time.
 - With a full staff of six sample management members, these samples can be shipped within 24 hours of sampling. In this case, the samples are received by the laboratory five days before Hold Time expiration (3 days if a weekend is bracketed).
- Samples with 14-28 day Hold Times are shipped to the same laboratories as the 7-day hold, so these are shipped to the lab within 24-48 hours of sampling.
 - Samples are received at the laboratory a minimum of nine days before Hold Time expiration.
- Samples with 180-day Hold Times are shipped within a week of sampling.

Addresses and Parameters for Dimock Sample Submissions

25-Jan-12

Region 3 Sample Receiving
US EPA, Region 3, OASQA
Environmental Science Center
701 Mapes Road
Fort Meade, MD 207555350
(410) 305-3032

Anions, Alcohols,
Glycols, Metals,
O&G, VOC, SVOC
TDS, TSS, Nutrients

Region 2 John Birri
USEPA Region 2
2890 Woodbridge Ave Bldg 209
Edison, NJ 08837
732-906-6886

MBAS

Region 9 Sample Receiving
Mon-Fri U.S. EPA Region 9 Laboratory
1337 South 46th Street, Bldg 201
Richmond, CA 94804
(510) 412-2389

Region 9 Sample Receiving
Sat-Sun U.S. EPA Region 9 Laboratory
Saturday at 1600 - 63rd Street
Emeryville, CA 94608
(510) 412-2389

Dissolved Gases
DRO, GRO

NAREL Sample Receiving
National Air and Radiation Environmental Laboratory (NAREL)
540 South Morris Avenue
Montgomery, AL 36115
334-270-3400

Radionuclides

IsoTech

Isotope analysis

TechLaw

Bacteria